

FIG. 1A

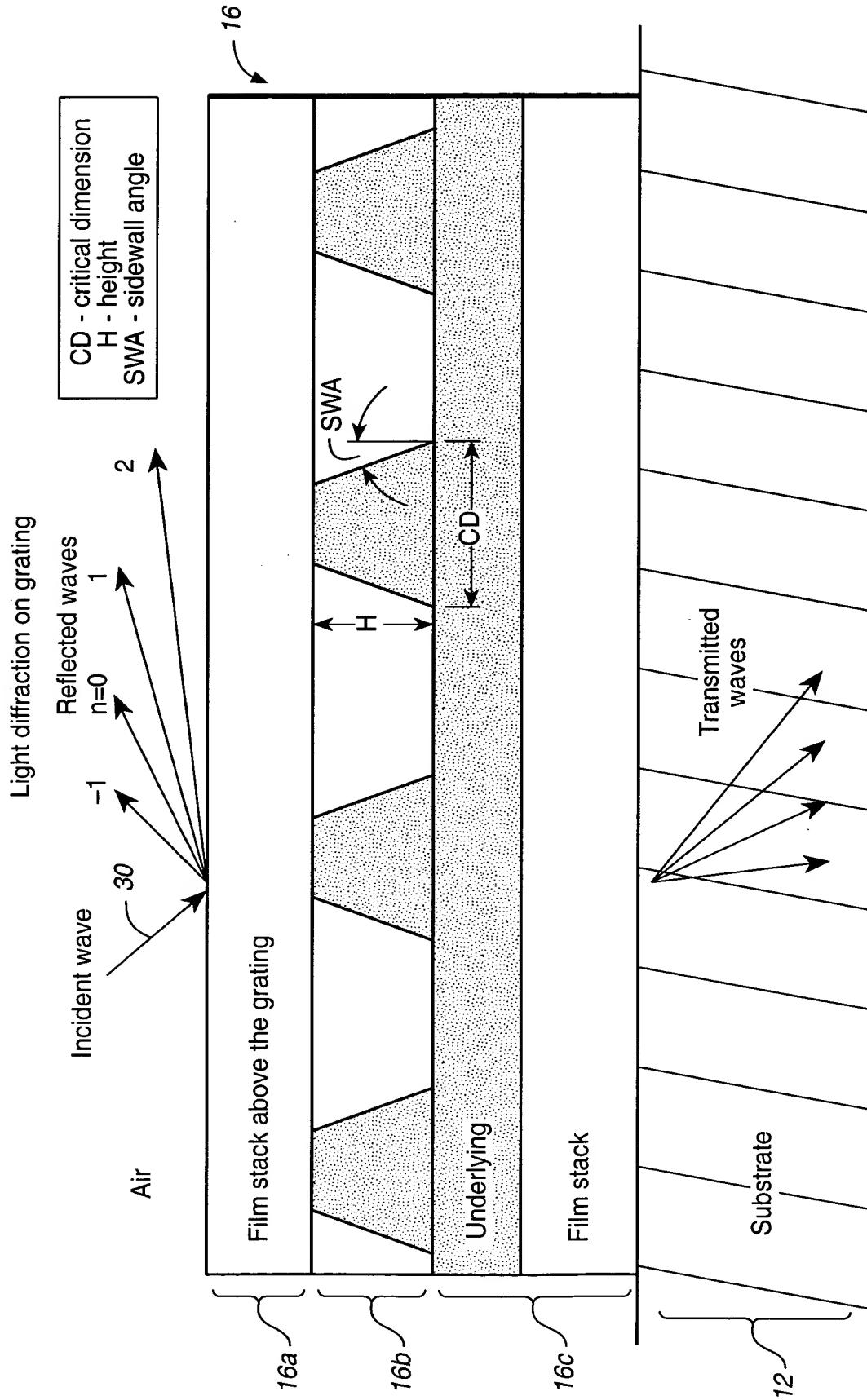


FIG._1B

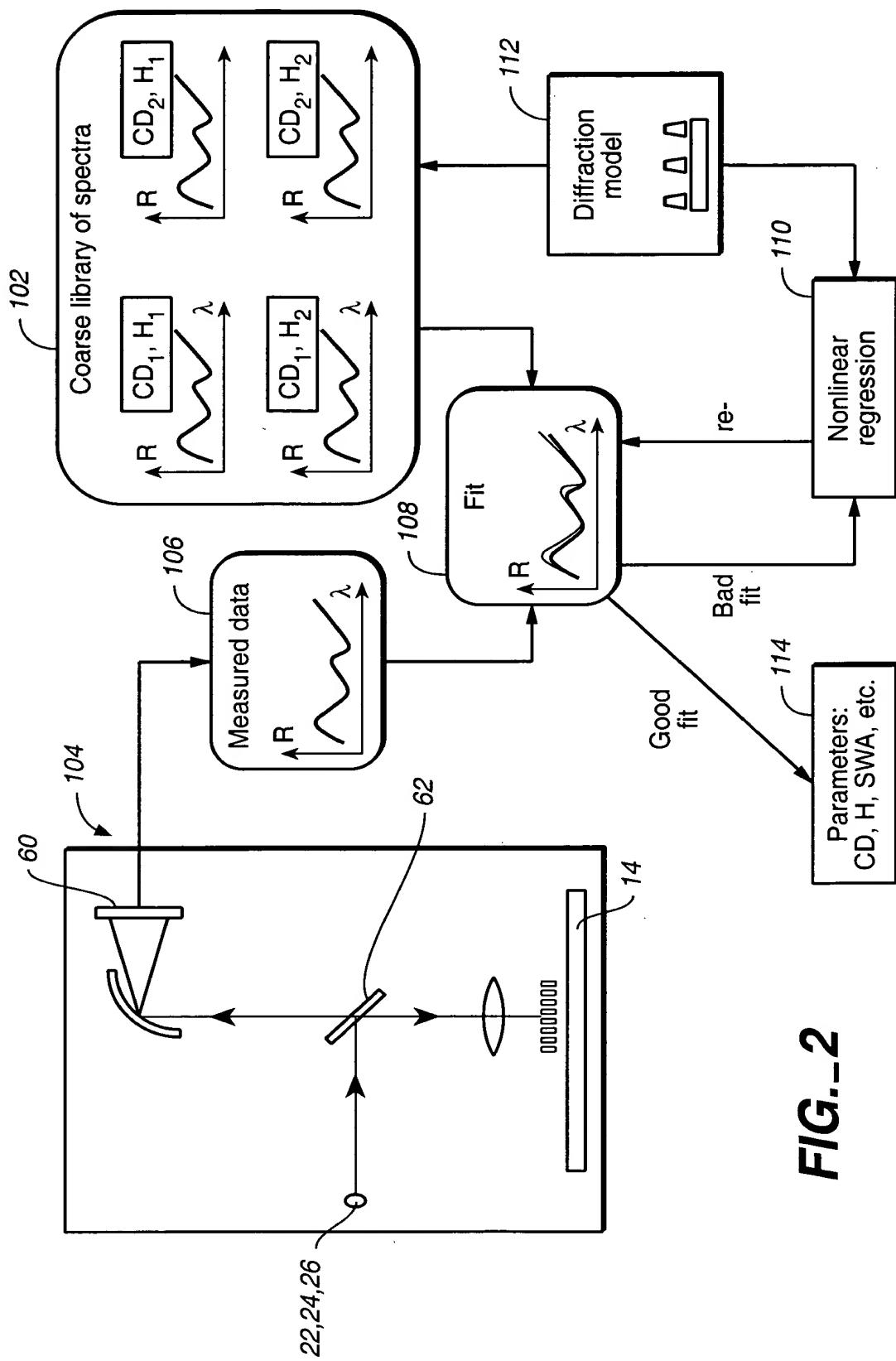


FIG.-2

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Adaptive library generation;
Minimize unused library grids for maximum efficiency

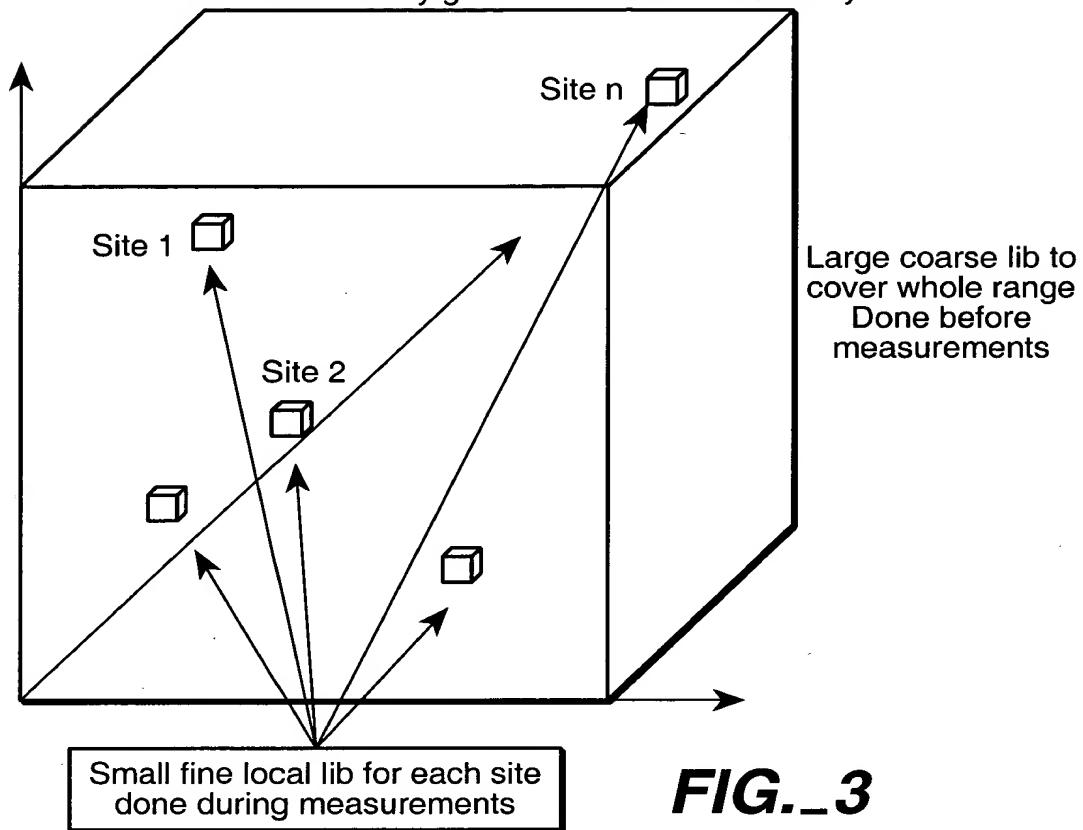


FIG._3

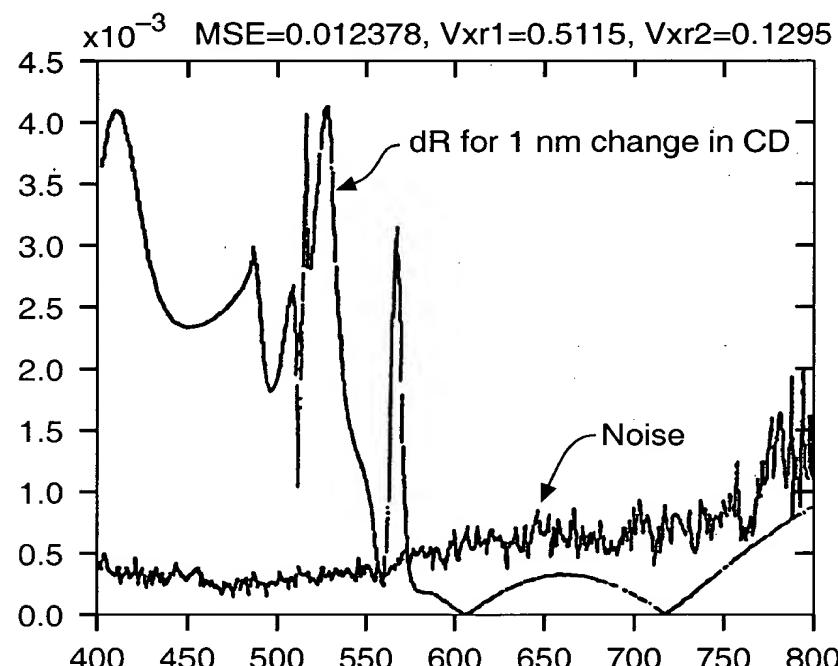


FIG._4

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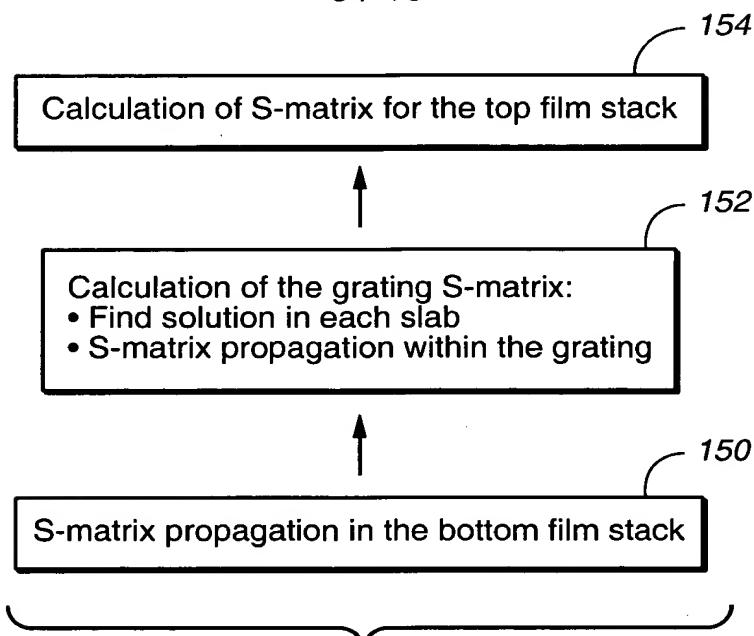


FIG._5

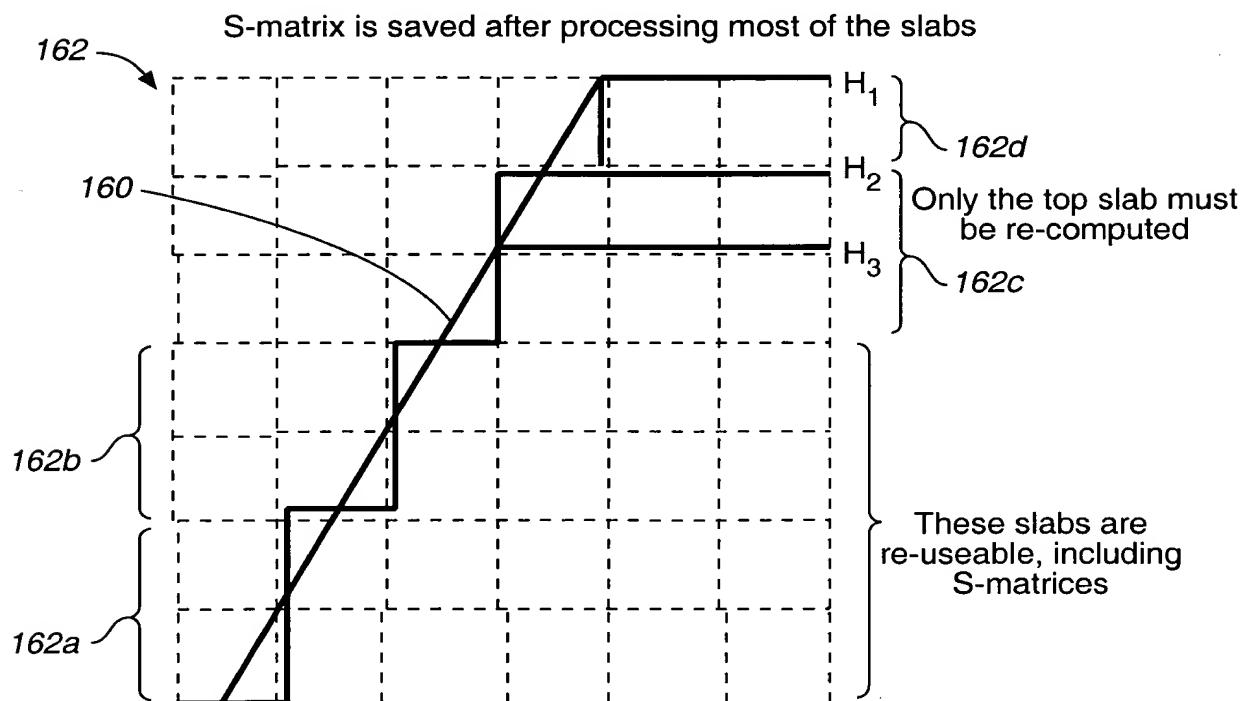


FIG._6

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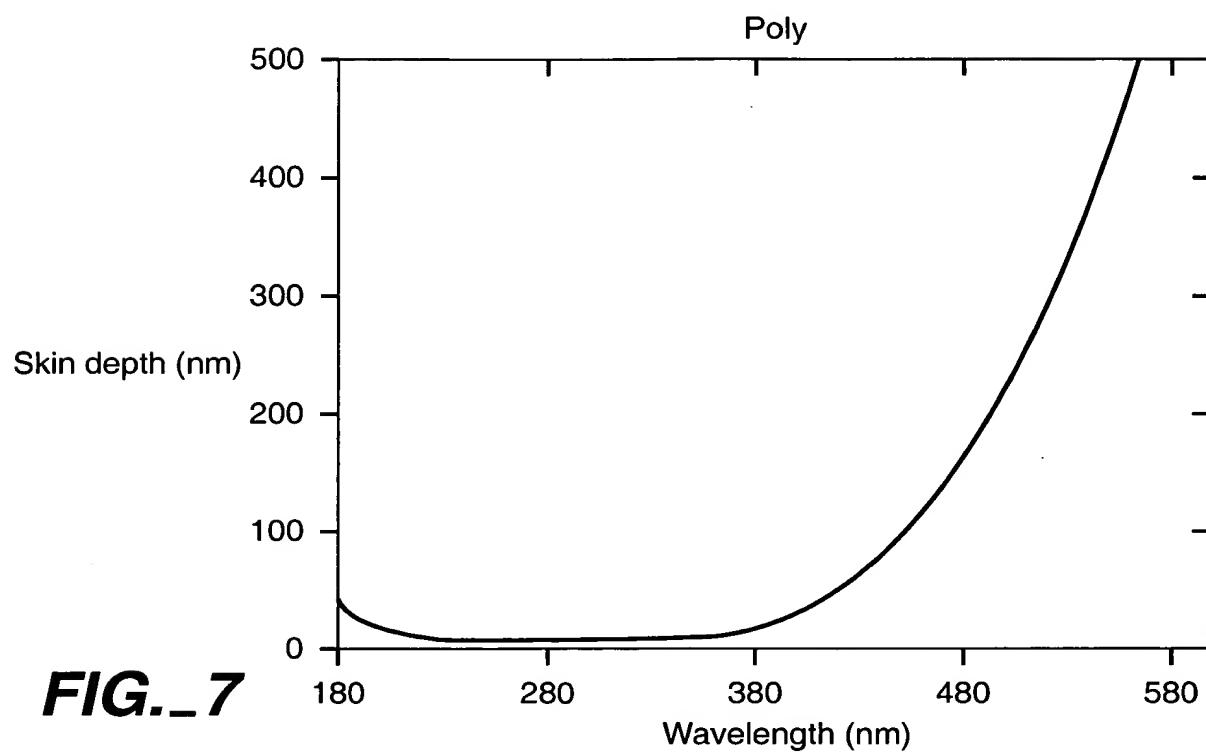


FIG._7

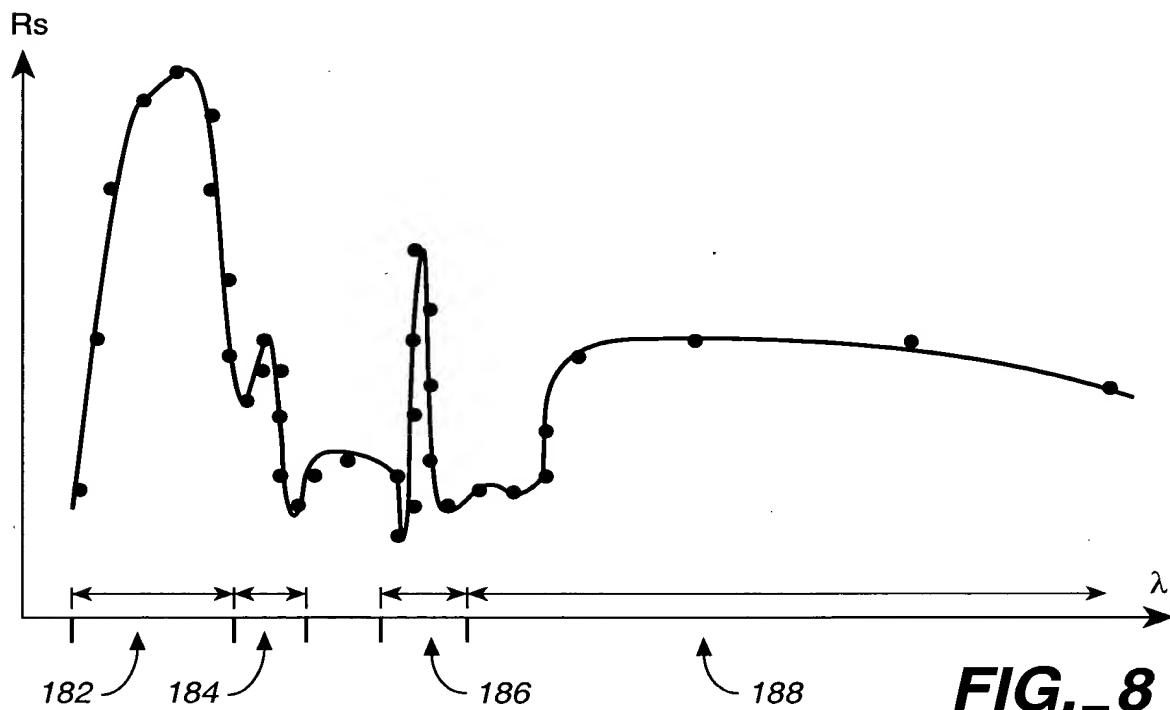


FIG._8

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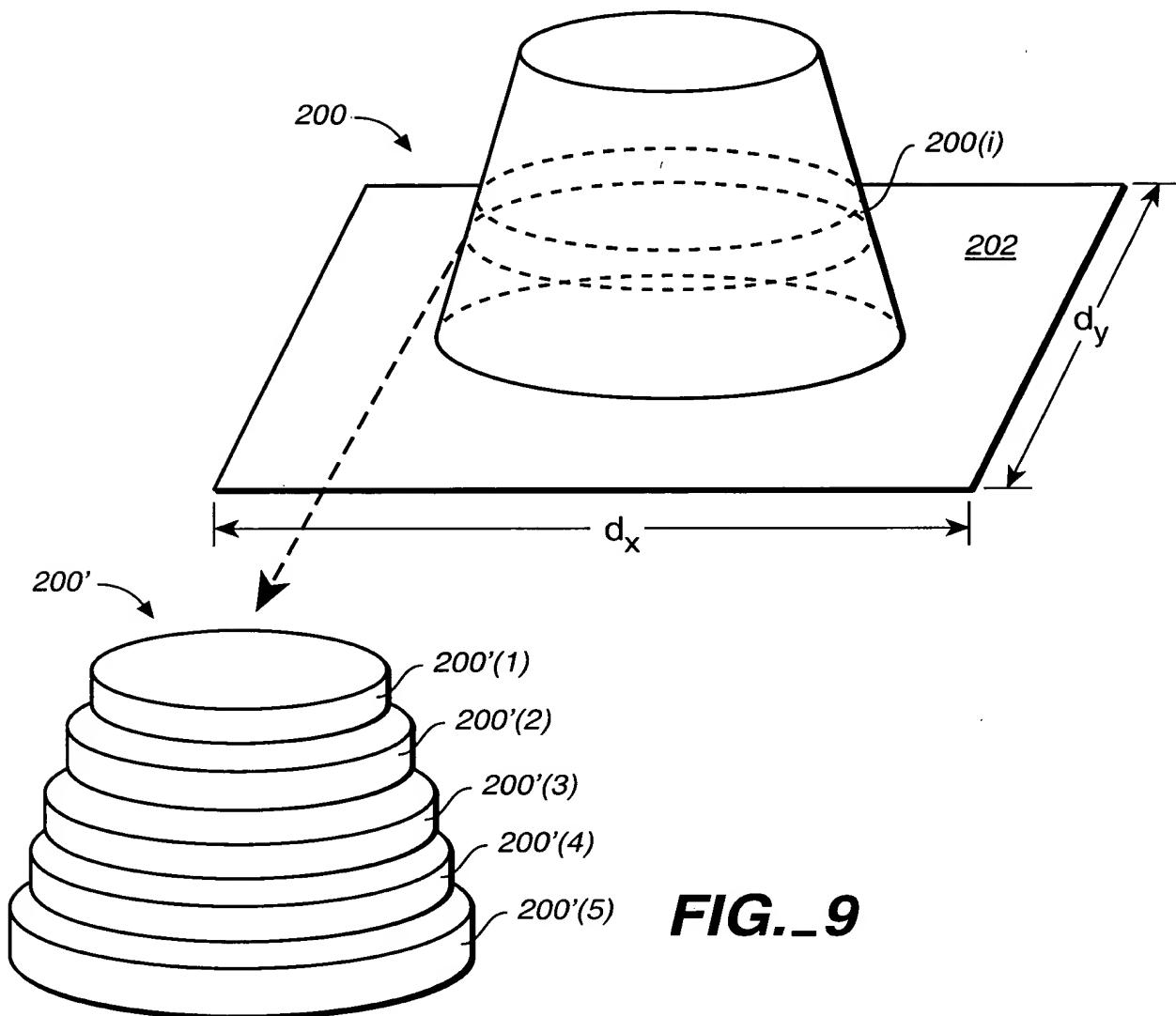


FIG._9

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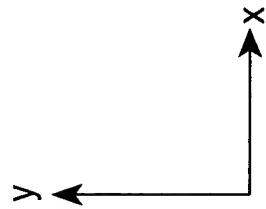
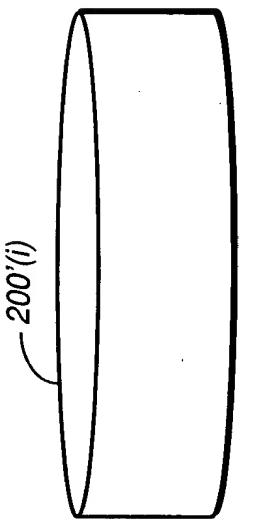
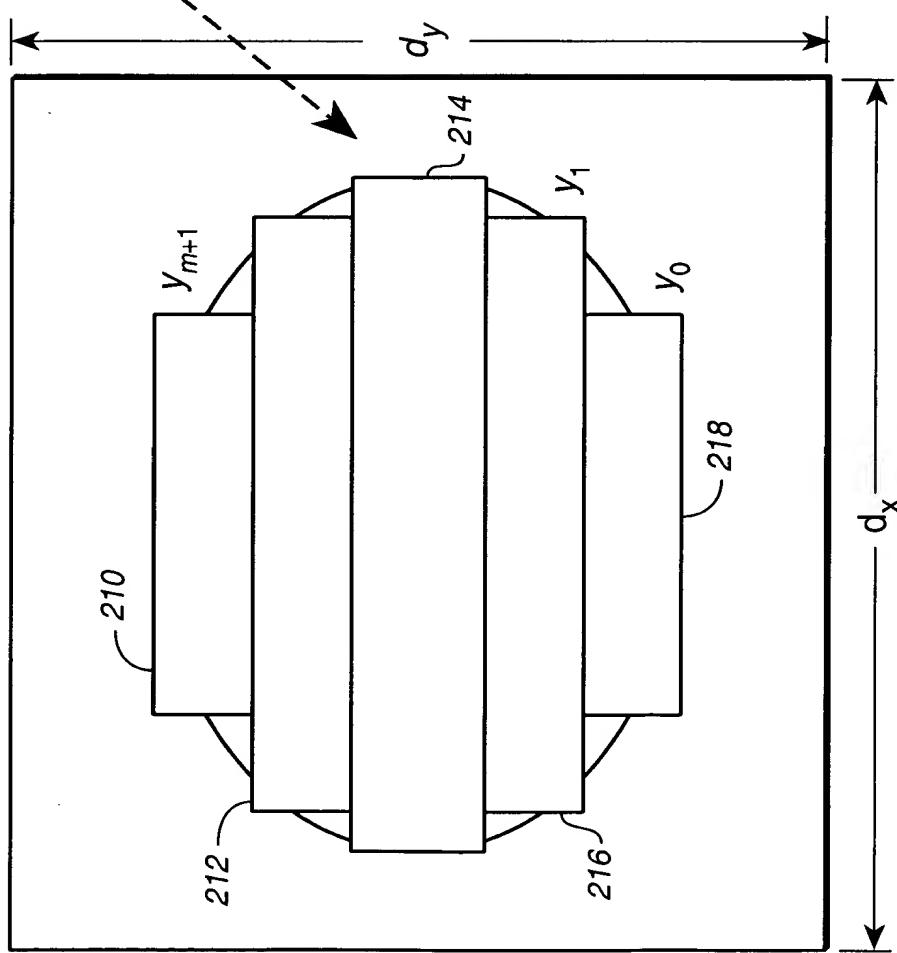


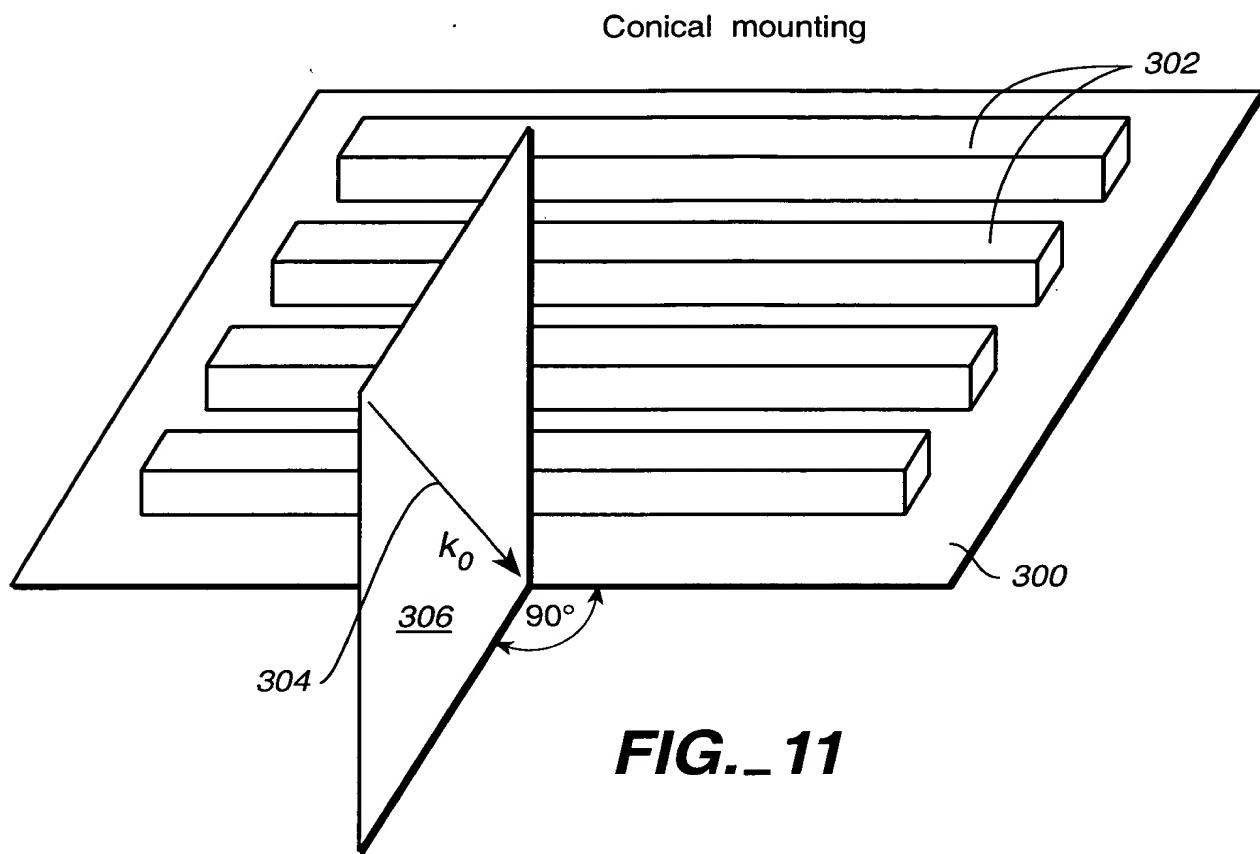
FIG. 10



Pseudo-periodic boundary conditions in y-direction:

$$E(x, y_{m+1}) = E(x, y_0) e^{i k_0 y d_y}$$

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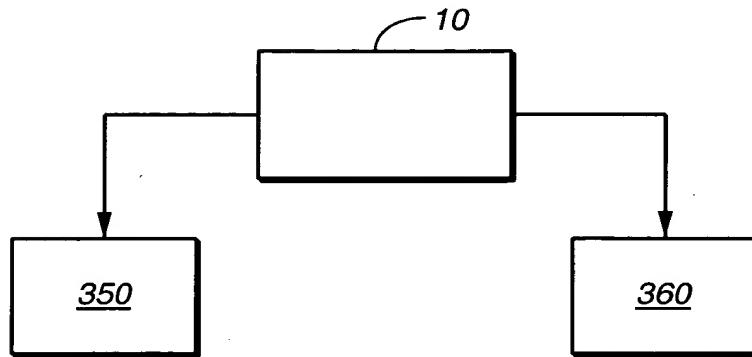


FIG._ 12

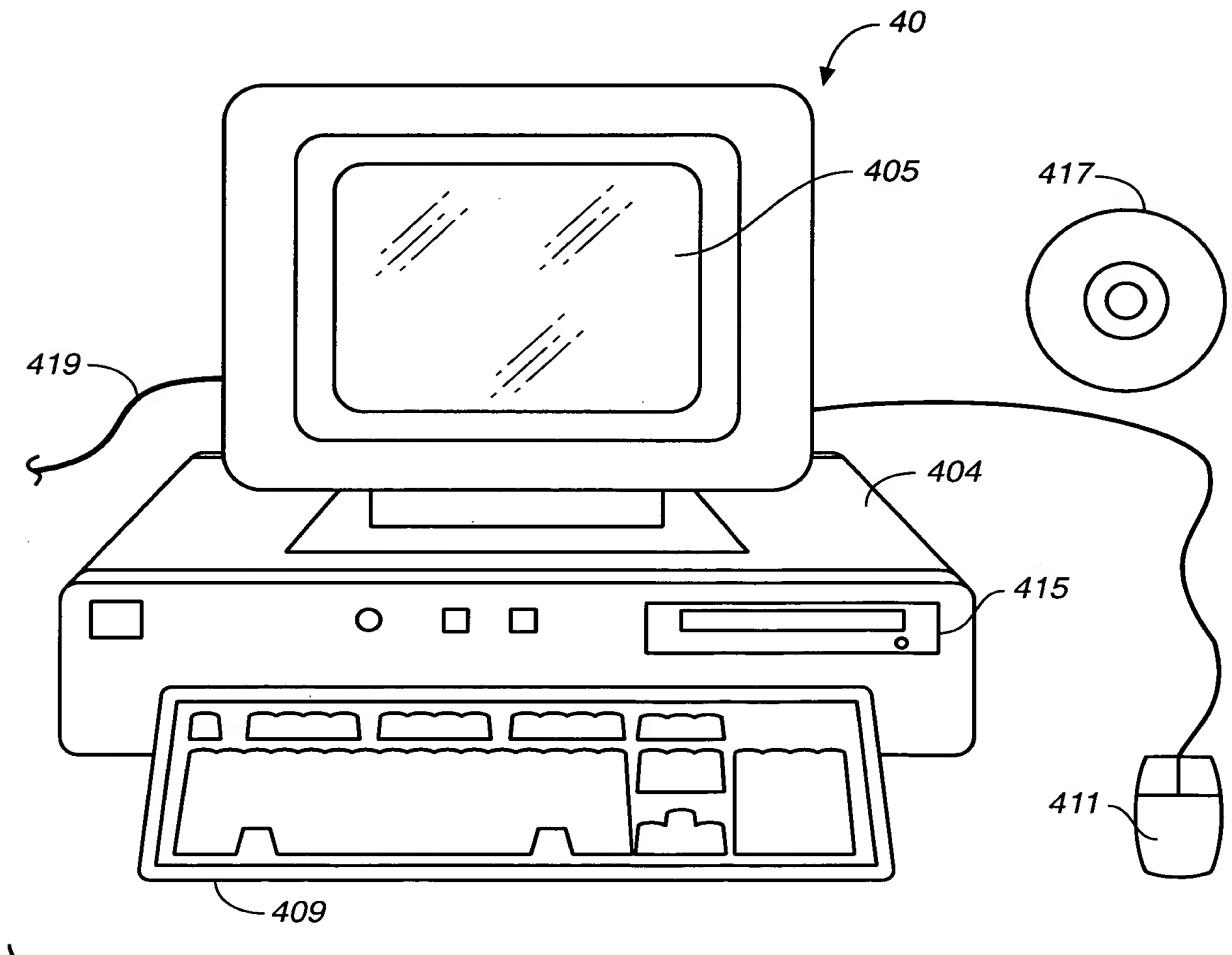


FIG._ 13